

M A T E R I A L S A F E T Y D A T A S H E E T

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

THIS MATERIAL SAFETY DATA SHEET IS AVAILABLE IN SPANISH UPON REQUEST.

PRODUCT NAME : DAP WELDWOOD PLASTIC RESIN GLUE
 UPC NUMBER : 00203, 00204, 00208
 PRODUCT USE/CLASS : Plastic Resin Glue

MANUFACTURER:	24 HOUR EMERGENCY:
DAP INC.	TRANSPORTATION: 1-800-535-5053
2400 BOSTON STREET	MEDICAL : 1-800-327-3874
BALTIMORE, MD 21224	

PREPARE DATE : 08/23/1996	GENERAL INFORMATION:
REVISION NO. : 6	DAP INC. : 1-888-DAP-TIPS
REVISION DATE: 12/20/1999	1-888-327-8477

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % RANGE
01	Barium Chloride	10361-37-2	1.0-5.0 %
02	Formaldehyde	50-00-0	1.0-5.0 %
03	Urea-Formaldehyde Polymer	9011-05-6	90.0-95.0 %

EXPOSURE LIMITS						
	ACGIH		OSHA		COMPANY	
ITEM	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	TLV-TWA	SKIN
01	0.5 mg/m3	N.E.	0.5 mg/m3	N.E.	N.E.	NO
02	N.E.	0.3 ppm*	0.75 ppm	N.E.	N.E.	NO
03	N.E.	N.E.	15 mg/m3dust	N.E.	N.E.	NO

(See Section 16 for abbreviation legend), * - TLV-Ceiling Value

Remaining ingredients are not considered hazardous per the OSHA Hazard Communication Standard.

Listed Permissible Exposure Levels (PEL) are from the U.S. Dept. of Labor OSHA Final Rule Limits (CFR 29 1910.1000); limits may vary between states.

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SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: WARNING! Skin sensitizer. Vapor harmful. Harmful or fatal if swallowed. Exposure to dust may result in build-up of material in eyes, ears, nose, and mouth which may cause irritation.

POTENTIAL HEALTH EFFECTS:

EFFECTS OF OVEREXPOSURE - EYE CONTACT: May cause eye irritation characterized by redness.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: May cause skin irritation characterized by drying or cracking of skin. Repeated contact can cause sensitization and dermatitis due to formaldehyde.

EFFECTS OF OVEREXPOSURE - INHALATION: Exposure to dust or vapor may cause irritation upper respiratory tract causing coughing, gagging, and irritation of mucous membrane. May aggravate colds, allergies, asthma, emphysema and psoriasis. Formaldehyde vapors are carcinogenic.

EFFECTS OF OVEREXPOSURE - INGESTION: May cause stomach and intestinal irritation, vomiting, diarrhea, sweating, weakness, and headache. Ingestion of over 1 gram/day of barium chloride (25 grams/day of product) may raise blood pressure and affect heart action.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Repeated exposure may cause skin sensitization and dermatitis. Formaldehyde vapor is a known animal carcinogen IARC and NTP and is considered possibly carcinogenic to humans by inhalation. Risk to one's health depends on level and duration of exposure. Exposure should be minimized or avoided and recommended personal protection measures should be followed. Inhalation of dust may result in pulmonary and respiratory damages.

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY CONTACT: Asthma and asthma-like conditions may worsen from prolonged and repeated exposure.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT INHALATION EYE CONTACT

SECTION 4 - FIRST AID MEASURES

EYE CONTACT: Flush with large quantities of water until irritation subsides.

SKIN CONTACT: Wash with soap and water while removing contaminated clothing. Get medical attention if irritation persists.

INHALATION: Remove to fresh air.

INGESTION: Give large quantities of water if conscious, induce vomiting.

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SECTION 4 - FIRST AID MEASURES

COMMENTS: Call Medical in Section 1 if irritation or complications arise from any of the above exposures.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: >200 F
(SETAFLASH CLOSED CUP)

LOWER EXPLOSIVE LIMIT: N.A.
UPPER EXPLOSIVE LIMIT: N.A.

AUTOIGNITION TEMPERATURE: N.E.

EXTINGUISHING MEDIA: CO2 DRY CHEMICAL FOAM WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: Possible dust explosion if dispersed in air in large quantities.

SPECIAL FIREFIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Use water spray to cool exposed surfaces.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: Sweep up excess powder. Place remaining powder into containers.

SECTION 7 - HANDLING AND STORAGE

HANDLING INFORMATION: KEEP OUT OF REACH OF CHILDREN. Keep containers away from excessive heating and freezing. Avoid skin and eye contact. Do not inhale dusts of this product. Remove source of ignition.

STORAGE INFORMATION: Store away from acids. Keep containers tightly closed when not in use. Keep containers from excessive heat and freezing. Do not store at temperatures above 120 degrees F.

OTHER PRECAUTIONS: Use in a well ventilated area. Provide fresh air such that chemical odors cannot be detected during use and while drying.

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SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: While mixing, provide sufficient mechanical ventilation (local or general exhaust) to maintain exposure below PEL and TLV.

RESPIRATORY PROTECTION: If 8 hour exposure limit or value is exceeded for any component, use an approved NIOSH/OSHA respirator. Consult your safety equipment supplier and the OSHA regulation, 29 CFR 1910.134 for respirator requirements. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

EYE PROTECTION: Safety glasses with side shields recommended.

SKIN PROTECTION: Gloves recommended for repeated or prolonged contact with skin.

OTHER PROTECTIVE EQUIPMENT: Provide eyewash and coveralls if body contact may occur.

HYGIENIC PRACTICES: Remove contaminated clothing and wash before reuse.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE	: N.A.	VAPOR DENSITY	: Is heavier than air
ODOR	: Formaldehyde odor		
APPEARANCE	: Amber powder	EVAPORATION RATE:	Is faster than Butyl Acetate
SOLUBILITY IN H ₂ O	: Slight		
SPECIFIC GRAVITY	: 0.5502		
VAPOR PRESSURE	: N.A.		
PHYSICAL STATE	: Powder		

(See Section 16 for abbreviation legend)

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Excessive heat and freezing.

INCOMPATIBILITY: Strong oxidizers and caustics.

HAZARDOUS DECOMPOSITION PRODUCTS: Normal combustion products, i.e. CO_x, NO_x, formaldehyde, and ammonia.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

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SECTION 11 - TOXICOLOGICAL PROPERTIES

TOXICITY DATA

ITEM	ORAL-LD50	SKIN-LD50	INHALATION-LC50
01	118 mg/kg(rat)	N.A.	N.A.
02	800 mg/kg(rat)	270 mg/kg(rabbit)	590 mg/m3(rat)

(See Section 16 for abbreviation legend)

SECTION 12 - ECOLOGICAL INFORMATION

No Information.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE MANAGEMENT/DISPOSAL: Dispose of according to Federal, State, and Local Standards. This product does not meet the definition of a hazardous waste according to U.S. EPA Hazardous Waste Management Regulations, 40 CFR Section 261. State and Local regulations/restrictions are complex and may differ from Federal regulations. Responsibility for proper waste disposal is with the owner of the waste.

EPA WASTE CODE - If discarded (40 CFR 261): None.

SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Not Regulated by D.O.T.

DOT HAZARD CLASS: NONE

DOT UN/NA NUMBER: NONE

PACKING GROUP: NONE

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SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

----- CHEMICAL NAME -----	CAS NUMBER	WT/WT % RANGE
Formaldehyde	50-00-0	1.0-5.0 %

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

----- CHEMICAL NAME -----	CAS NUMBER
No information is available.	

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product:

----- CHEMICAL NAME -----	CAS NUMBER
No non-hazardous materials are among the top five ingredients.	

PENNSYLVANIA RIGHT-TO-KNOW:

The following non-hazardous ingredients are present in the product at greater than 3%:

----- CHEMICAL NAME -----	CAS NUMBER
No non-hazardous ingredients are present at greater than 3%.	

CALIFORNIA PROPOSITION 65:

WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer:

----- CHEMICAL NAME -----	CAS NUMBER
Formaldehyde	50-00-0

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: Not regulated.

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SECTION 16 - OTHER INFORMATION

HMIS RATINGS - HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0

PREVIOUS MSDS REVISION DATE: 12/03/1999

VOC less water, less exempt solvent: 0 g/L(Calculated)
VOC material : 0 g/L(Calculated)

LEGEND: ACGIH - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS
N.A. - NOT APPLICABLE
N.E. - NOT ESTABLISHED
PEL - PERMISSIBLE EXPOSURE LIMIT
NTP - NATIONAL TOXICOLOGY PROGRAM
SARA - SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986
STEL - SHORT TERM EXPOSURE LIMIT
TLV - THRESHOLD LIMIT VALUE(8 HR. TIME WEIGHTED AVERAGE OR TWA)
VOC - VOLATILE ORGANIC COMPOUND
NJRTK - NEW JERSEY RIGHT TO KNOW LAW
N.D. - NOT DETERMINED

MSDS# 30201

This data is offered in good faith as typical values and not as a product specification. No warranty either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review the recommendations in specific context of the intended use and determine if they are appropriate.

< End OF MSDS >